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Get Now: ☒ PDF | [More choices...](#)Tools: Add to Work File: Create new Work File ☐ View: [INPADOC](#) | Jump to: [Top](#)☐ Go to: [Derwent](#)☒ Email this to a friendTitle: **JP9227200A2: PRODUCTION OF INORGANIC BOARD**Derwent Title: Manufacturing inorganic boards - comprises dispersing raw inorganic mixture of cement, fibre, and alkali-treated hollow filler, in water, then dewatering, laminating, moulding etc.. [\[Derwent Record\]](#)

Country: JP Japan

Kind: A (See also: [JP3265183B2](#))

Inventor: NISHIZAWA KAZUHIDE;

Assignee: NICHIIA CORP
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Application Number: JP1996000069119

IPC Code: [C04B 28/02](#); [B28B 1/52](#); [B28B 3/02](#); [C04B 28/02](#);

ECLA Code: C04B28/02;

Priority Number: 1996-02-28 JP1996000069119

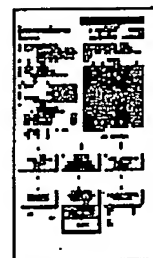
Abstract: PROBLEM TO BE SOLVED: To improve the interlaminar adhesion between a multilayer mat and an inorganic board product to surely prevent their delamination by using a raw material mixture mainly comprising cement and a fiber material and in addition, inorganic hollow filler treated with alkali.

SOLUTION: A mixture of inorganic board raw materials mainly comprising cement and fibrous material and, in addition, alkali-treated inorganic hollow filler is dispersed in water to prepare a slurry. This slurry is subjected to fiber sheet-making and drained to form mats, then mats are laminated to a multilayer product and the laminated mat is molded and cured by aging. The inorganic hollow filler is preferably alkali-treated by dipping the filler in an aqueous alkali with a pH of ≥ 9 for ≥ 10 minutes under stirring. During the alkali treatment, a non-hollow inorganic powder (for example, calcium carbonate, tale or the like) is preferably admixed to the aqueous alkali solution.

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Legal Status:

Family: [Show 3 known family members](#)Other Abstract Info: CHEMABS 127(16)224291Z CAN127(16)224291Z DERABS C97-486254
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(54) 【発明の名称】 無機質板の製造方法

(57) 【要約】

【課題】本発明の課題は無機質板の層間剥離現象を確実に防止することにある。

【解決手段】セメント類と繊維物質とを主体とした原料混合物に更にアルカリ処理した無機質中空フィラーを添加してスラリーとし、該スラリーを抄造脱水したマットを複数層積層して積層マットとし、該積層マットを成形養生硬化せしめる。